The NMT E&ES Geowall: Opportunities for Graduate Student Use

Katrina Koski

The E&ES department has purchased a Geowall for sophisticated 3D projections. The Geowall uses two projectors to produce left and right circular polarized images. Eyeglasses filter one image to each eye and the brain interprets the combination as a three dimensional image. Studies have shown poor 3D visualization to be a hindrance to student progress in the geosciences. The Geowall assists with 3D visualization and is available for teaching assistants to use with their classes. The system can project many publicly available images and videos covering introductory geoscience topics. The Geowall can also be used as an aid to research as the system can be integrated with Google Earth, ArcScene files, and AFM images for three dimensional projection of these data.

Biographical Sketch
Katrina Koski earned a BA in Physics from Lake Forest College. She completed a MS in physics from New Mexico Tech with a Very Large Array project on spiral galaxies. After her masters, Katrina worked for Trex Enterprises Corporation and worked on a project building a ground based imager of [other countries] satellites. Katrina began taking geology courses at Tech and finagled Penny Boston into taking her on as a graduate student in 2006. Her research area is karst hydrology.